



## **MONTHLY OPERATIONS REPORT**

May 2014

Town of Discovery Bay, CA

**1736** Days of Safe Operations

**76,322** worked hours since last recordable incident

### **TRAINING:**

**Safety, Operations, & Equipment**

<b>Safety</b>	<b>Hours</b>
Monthly Training consists of: Take 5 Safety Tailgates (12) West Region Safety Council Call Monthly Regional Safety Webinar	3.0
<b>Operations</b>	
Job + UV system	10.0

### **REPORTS SUBMITTED TO REGULATORY AGENCIES**

Monthly Discharge Monitoring Report (DMR) Monthly electronic State Monitoring Report (eSMR) Monthly Coliform Report, California Department of Public Health (CDPH)
--

### **WATER SERVICES**

<b># of Active Wells</b>	<b>Water Produced (MG)</b>	<b>Chemical (Hypo) Delivered</b>	<b>Fire Hydrant Flushing</b>
5	128.2	3070	0

**Note: Well 4 in lead and Well 5 in lag to offset specific conductivity**

### 2014 Water Production Table (MG) by Month

January	February	March	April	May	June
69.3	61.1	68.3	92.98	128.2	
July	August	September	October	November	December

### Bacteriological Test Results:

Routine Bacteria Samples Collected	No. Total Coliform Positives	No. Fecal/E. coli Positives	Brown Water Calls
16	0	0	0

## WASTEWATER SERVICE

### Wastewater Laboratory Analysis

<i>WW Effluent Parameter</i>	<i>Permit Limits</i>	<i>April Lab Data</i>	<i>May Lab Data</i>
Flow, MG Effluent, <b>monthly total</b>		37.88	41.2
Flow, MG Daily Influent Flow, <b>avg.</b>	<b>N/A</b>	1.46	1.26
Flow, MG Daily Discharge Flow, <b>avg.</b>	<b>2.1</b>	1.44	1.33
Effluent BOD <sub>5</sub> , lbs/d, <b>monthly avg.</b>	<b>350</b>	20.4	26.0
Effluent TSS, lbs/d, <b>monthly avg.</b>	<b>525</b>	41.0	37.0
Effluent BOD <sub>5</sub> , mg/L, <b>monthly avg.</b>	<b>20</b>	2.7	2.0
Effluent TSS, mg/L, <b>monthly avg.</b>	<b>30</b>	3.7	3.2
Total Coli form 7 day Median Max	<b>23</b>	7	4
Total Coli form Daily Maximum	<b>240</b>	8	23
% Removal BOD <sub>5</sub> , monthly avg.	<b>85% min.</b>	97.4	99
% Removal, TSS, monthly avg.	<b>85% min.</b>	99.0	98
Electrical Conductivity, umhos/cm <b>annual avg.</b>	<b>2100</b>	2117 (YTD)	2158 (YTD)

Red – new parameter added

### National Pollution Discharge Elimination System (NPDES)

<u>NPDES Related Excursions</u>	<u>Permit Parameter</u>	<u>NPDES Parameter Limit</u>	<u>Actual Parameter Result</u>
<u>0</u>			

### Bacteriological Test Results:

<u>Routine Bacteria Samples Collected</u>	<u>No. Total Coliform Positives</u>	<u>No. Fecal/E. coli Positives</u>	<u>7-Day Median Excursion</u>
<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>

<u># of Active Lift Stations</u>	<u># of Inactive Lift Stations</u>	<u>Chemical Usage Polymer-gals</u>	<u>SSO</u>	<u>Wastewater Received (MG)</u>
15	0	93.6	0	39.0

### **COLLECTION:**

- Flushed 0 ft. of sanitary sewer lines, YTD 0 ft. **0%** completed
- CCTV 0 ft. **0%** completed (Deadline is May 2015)
- Inspected 0 manhole & covers. YTD
- Performed valve exercising
- Performed weekly lift station inspections.
- Inspected vaulted lift stations.

### **MAINTENANCE**

#### **Wastewater**

- Troubleshoot RAS #3 found bad bearings and seals.
- Installed new drive on compactor at Plant #1
- Performed vibration analysis on ox ditches ant both plants
- Replaced batteries on UPS at various locations
- Installed sump pumps at ox ditch 2 rotor 1 & 3
- Trouble shoot SCADA phone line
- Pulled new wire to RAS pump #3

#### **Water**

- Inspected Willow Lake & Newport Filter Tanks
- Troubleshoot injection point at Willow lake
- Troubleshot & repaired some programming issue at Willow Lake
- General summer house cleaning at both water plants.

### **Preventive and Corrective**

Total # of WO's Completed	Total Hours
144	69

### **Work Order Back-Log**

Aging 8 - 30 Days	Aging > 30 Days
69	29

### **Call & Emergency Responses**

Call Outs	Emergencies
11	0

### **Personnel Hours & Overtime:**

Regular Hours	Overtime
1681	65.75

### **TERMS**

WWTP	WASTEWATER TREATMENT PLANT
WTP	WATER TREAMENT PLANT
WL	WILLOW LAKE
NP	NEWPORT
VFD	VARIABLE FREQUENCY DRIVE
WO	WORK ORDER
PLC	PROGRAMMABLE LOGIC CONTROLLER
L/S	LIFT STATION
SSO	SANITARY SEWER OVERFLOW
BOD	BIOLOGICAL OXYGEN DEMAND
TSS	TOTAL SUSPENDED SOLIDS
MGD	MILLION GALLONS PER DAY
mg/l	MILLIGRAMS PER LITRE
CCTV	CLOSED CIRCUIT TELEVISION
PPM	PARTS PER MILLION
RAS	RETURN ACTIVATED SLUDGE
WAS	WATSE ACTIVATED SLUDGE
UV	ULTRAVIOLET LIGHT